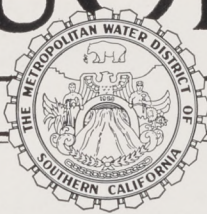


# • COLORADO RIVER • AQUEDUCT NEWS

THE METROPOLITAN WATER DISTRICT



OF SOUTHERN CALIFORNIA

VOLUME XXVI

MARCH, 1959

NUMBER 3



A grading crew gives a good comparison of the size of the pipe siphons now under construction on the main aqueduct west of the San Jacinto tunnel. This is called the Fourth Street Siphon and is located about 5 miles northeast of Perris. The pipe sections have an inside diameter of 13 feet. The work is being performed by the American Pipe and Construction Company and the contract has a completion date of January 31, 1960.

## Fishing in Reservoirs Opposed by City Councils

Outspoken opposition to pending legislation which could lead to the pollution of a large amount of Southern California's domestic water supply is springing up among the governing bodies of many

Southland cities and municipal water districts, Robert B. Diemer, General Manager and Chief Engineer of the Metropolitan Water District, declared this month.

"More than 40 Southern California city councils and other governing entities have adopted resolutions opposing

(Continued on Page Two)

## Board Authorizes Funds To Complete Expansion Program

The expenditure of \$72 million during the next two years by the Metropolitan Water District to complete its more than \$200 million expansion program has been authorized by the District's Board of Directors, it was announced this month.

Acting on the recommendation of the District's General Manager and Chief Engineer, Robert B. Diemer, the Board approved a schedule of funds to be expended as follows: Second half of the 1958-59 fiscal year, \$22 million; 1959-60, \$31.7 million; 1960-61, \$18.3 million.

The District's expansion program to bring the Colorado River Aqueduct to its full ultimate delivery capacity will be completed early in 1960, Mr. Diemer said. Enlarged to its full capacity, the Aqueduct will be able to deliver more than one billion gallons of water a day. The expansion program was started in 1952 and is now approximately 70 per cent completed, General Manager Diemer declared.

Funds authorized by the Board action will be used to complete various phases of expansion work now under way and for the construction of additional facilities on the distribution system to bring vitally-needed Colorado River water to the 7,000,000 people now living within the boundaries of the Metropolitan Water District, Mr. Diemer declared.

One of the largest Aqueduct expansion jobs now under way is the enlargement of Lake Mathews, the Aqueduct's terminal reservoir, from its present capacity of 107,000 acre-feet to 182,000 acre-feet. This reservoir is located about 10 miles southwest of Riverside.

The new facilities recommended by the General Manager and approved by the Board include a West Coast line to provide additional water for the west coastal area of the West Basin Municipal Water District, a new line to the

(Continued on Page Three)



# **• COLORADO RIVER • AQUEDUCT NEWS**

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

306 West Third Street  
Los Angeles, California

Published monthly in the interest of Field and Office Workers on the Colorado River Aqueduct, and for the information of all other citizens of the Metropolitan Water District.

Vol. XXVI March, 1959 No. 3

## **Fishing in Reservoirs**

(Continued from Page One)

any legislation which would authorize or encourage the use of domestic water supply reservoirs for recreational purposes. One such bill, A. B. 286, is now under consideration by the State Legislature," Mr. Diemer stated.

"The primary objective of such legislation is to open domestic water supply reservoirs to fishing and other recreational purposes. It is well established that domestic water supplies are most seriously polluted by human contacts and by introduction of waste and trash through carelessness or indifference of those engaged in such recreational activities," Mr. Diemer declared.

He pointed out that ever since the Colorado River Aqueduct was placed in operation in 1941, the Board of Directors of the Metropolitan Water District has maintained the policy of keeping all Aqueduct reservoirs closed to all recreational purposes to protect the health of the people who drink the water that flows through the Aqueduct system.

"Should this bill (A. B. 286) or similar legislation become law, it could lead to the contamination of a large portion of Southern California's supplemental Colorado River water supply," Mr. Diemer emphasized.

He said that the District Board also opposed the opening of domestic reservoirs on the grounds that the chemical treatment and filtration of water polluted by human contacts adds greatly to the cost of water to the consumer, and at the same time cannot give a complete guarantee that all contamination has actually been removed.

"Colorado River water, which flows through the Aqueduct into Lake Mathews, the District's terminal reservoir near Riverside, is remarkably free from all forms of organic contamination for the reason that it originates in the

(Continued on Page Three)

## **Hans H. Kohlenberger Death Mourned by District Board**



Hans H. Kohlenberger

Hans H. Kohlenberger, Fullerton's representative on the Metropolitan Water District Board of Directors since July 27, 1945, died March 7 at St. Jude Hospital in Fullerton following a short illness. He was 62 years of age.

Mr. Kohlenberger was a well-known civic leader in Fullerton. He was a three-term Mayor and a long-time councilman of that city. He was a member of the Baptist Church and also was active in a number of civic and fraternal organizations.

On the District Board, he was Chairman of the Organization and Personnel Committee and a member of the Engineering and Operations Committee at the time of his death.

Mr. Kohlenberger was born in Germany, and moved with his family to the United States when he was 10. The family settled in Anaheim in 1907. He lived most of his life in Fullerton where, in 1922, he founded the Kohlenberger Engineering Corporation.

Survivors include his widow, Mrs. Fairie Kohlenberger; two sons, Charles R., of Fullerton, and H. Stanley, of Richmond; three daughters, Mrs. Shirley Stivers, Covina, Mrs. DeWitt Lyon, Fullerton, and Mrs. Dale Smith, Anaheim; two brothers, Walter C., Fullerton, and Charles F., Anaheim; and 12 grandchildren.

Funeral services were conducted on March 10 at the First Baptist Church in Fullerton.

## **For the RECORD**

(The following items are noted from the report of General Manager and Chief Engineer Robert B. Diemer, filed March, 1959, covering District operations for February, 1959.)

**Colorado River** — The water surface of Lake Mead dropped 2.68 feet to elevation 1180.06 feet above sea level and usable storage decreased 321,000 acre-feet to 21,194,000 during February. The average rate of discharge at Hoover Dam for the month was 11,700 cfs.

**Pumping and Power**—Hayfield plant delivered 24,543 acre-feet of water for distribution during February. Deliveries were on a 4½ pump basis until 7:50 pm February 15, when all pumps were shut down until February 20, when pumping was resumed and has continued on a 1-pump basis for the balance of the month. The District's share of Parker energy amounted to 19,764,432 kwhrs. Edison interchange energy delivered to the District amounted to 7,718,400 kwhrs. Peak deliveries to and from Edison Company were 110,000 kw and 120 kw respectively.

**Weymouth Softening and Filtration Plant**—Colorado River water was softened from 311 to 145 ppm of hardness at an average rate of 333 cfs during February. Daily rate of flow varied from a maximum of 379 cfs to a minimum of 272.

**Construction** — On installation of Pumping Units 7, 8 and 9, the contract is 66% complete, with work in progress at all five plants. At Intake, work is 59% complete; 72% at Gene, 79% at Iron Mountain, 67% at Eagle Mountain and 56% at Hayfield. The contract for Pump Delivery Line No. 3 is 98% complete.

The contract is 25% complete on Canals and Box Siphons — Schedules 11C, SD1C, SD2C, SD3C and SD4C.

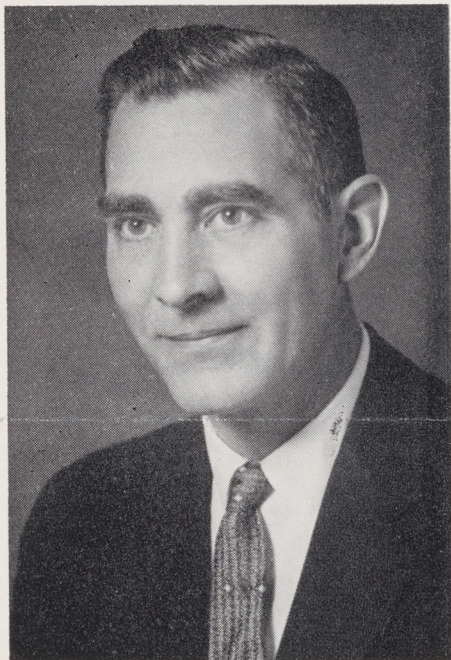
On Pipe Siphons — Schedules 11P, 12P and SDXP—the work is 25% complete.

Schedules SD8P and SD9P (San Diego Aqueduct) the work is 88% complete, and work on Schedules SD10P and SD11SC, work is 93% complete. On relocation of a portion of the First San Diego Aqueduct, work was completed and accepted on February 25, 1959. On Schedules 76SC, 77SC and 78SC (Lower Feeder) work is 97% complete.

**Purchasing**—Total expenditures covered by 506 purchase orders and 2 agreements during February aggregate approximately \$113,604.15.



## George M. Carroll Named New District Controller



George M. Carroll

The Metropolitan Water District on March 10 announced the appointment of George M. Carroll to the position of Controller of the District. Prior to his appointment, Mr. Carroll was Head of the Internal Review Division of the Comptroller Department at the Long Beach Naval Shipyard. He succeeds Edward A. Clarke, who died December 1, 1958.

The announcement, which was made by District Board Chairman Joseph Jensen, stated that the appointment was made on recommendation of the District's Organization and Personnel Committee which conducted a thorough study of the qualifications of a large number of applicants.

As Controller of the District, which is currently engaged in a \$200 million expansion program to bring additional Colorado River water to the 7,000,000 people now living in the District, Mr. Carroll will be in charge of fiscal affairs in connection with the expansion work as well as the regular financial operations of the District, Chairman Jensen said.

Prior to his employment at the Long Beach Naval Shipyard, Mr. Carroll was with the United States General Accounting Office at the Los Angeles Regional Office as an auditor for three years. Before that he was an auditor with Ernst & Ernst, a large public accounting firm, and still earlier was Assistant Controller at Hamot Hospital in Erie, Pennsylvania.

## Board Authorizes Funds

(Continued from Page One)

Long Beach area, expanding the filtration capacity of the softening and filtration plant at La Verne, a water filtration plant in Orange County, a new water delivery line for east Orange County and additional power transmission lines for the Aqueduct pumping plants.

Preliminary plans for the new West Coast line call for a capacity of 150 cubic feet per second. This line will extend from the District's Lower Feeder at Garfield Avenue between Southern Avenue and Firestone Boulevard in South Gate southerly for about two miles and then west along El Segundo Boulevard for approximately 13 miles to Aviation Boulevard. One-third of this line's capacity, 50 cubic feet per second, will be used to supplement deliveries from the existing West Basin line and the remainder, 100 cubic feet per second, will be for injection into the underground basin's to replenish these basins and halt the intrusion of sea water.

The filtration capacity of the plant at La Verne will be doubled, from 200 to 400 million gallons per day. The District is now preparing to order the necessary equipment and the construction contract will be awarded during the last half of 1959.

The new Long Beach line is tentatively planned for a capacity of 60 cubic feet per second and will be used primarily for the delivery of Colorado River water for injection into the underground basins in that area.

The other new facilities are still in the early stages of planning and statistics on them are not yet available. As plans and specifications are completed, bids for the construction of each of the new facilities will be invited, General Manager Diemer said.

## Fishing in Reservoirs

(Continued from Page Two)

sparsely settled western slopes of the Rocky Mountains," Mr. Diemer said.

"Should the District be forced to open Lake Mathews to recreational uses, the additional filtration and chemical treatment plants that would be required would increase the cost of the water so treated approximately 50 per cent," Mr. Diemer declared.

Still another reason for keeping Lake Mathews closed to fishing involves security, Mr. Diemer said. He pointed out that United States military officials make frequent inspection of the District's reservoirs and other facilities for security purposes during these days of continued

## \$26,400,000 in Waterworks Bonds Sold by District Board

The Board of Directors of the Metropolitan Water District of Southern California has authorized the sale of \$26,400,000 in Waterworks Bonds, Series IV, to a syndicate headed by Bankers Trust Company of New York at a gross interest rate of 3.0 per cent, it was announced March 10, by Board Chairman Joseph Jensen.

The successful bid, which was one of three opened by the District Board at a public session, also offered a premium of \$71,200.80, producing a net interest rate of 2.958508 per cent, it was announced by Hugh W. Stiles, Chairman of the Board's Finance Committee.

Money derived from the sale of the bonds will be used to help carry forward the District's \$200 million expansion program to bring the Colorado River Aqueduct to its full, ultimate capacity of one billion gallons of water a day to meet increasing needs in Metropolitan Water District cities and areas, it was stated by Chairman Jensen.

The \$26.4 million bond issue consists of 26,400 coupon bonds in the denomination of \$1000 each, dated April 1, 1959. They will mature in consecutive numerical order in the amount of \$2,000,000 on April 1 of each of the years 1960 to 1971, inclusive.

"This is the fourth and largest issue of such short-term bonds to be sold by the Metropolitan Water District under the provisions of Proposition 'W' which was approved by the voters at the June 5, 1956, election," Mr. Jensen pointed out.

Chairman Jensen emphasized that while these bonds are General Obligation Bonds of the District, supported by all its resources, the interest and the principal of the bonds will be repaid primarily from revenues and annexation fees which are pledged to the District and will be paid into its treasury during the next 25 to 30 years. Because of these anticipated revenues, no increase in taxes for the financing of these bonds is contemplated.

international unrest.

"Opening these reservoirs and their shorelines to recreational uses would give enemy agents an easy opportunity to obtain detailed knowledge relating to the reservoirs and the chance to subject the water to dangerous contaminants. The harm to national defense efforts would be tremendous in the event anything should happen to put Lake Mathews out of commission," Mr. Diemer concluded.



# NEWS FROM FIELD AND OFFICE

The square dance group at Hayfield Pumping Plant was host to a party from the Kaiser Mine recently. The evening was spent square dancing in the Recreation Hall and refreshments were served.

\* \* \*

The District exhibit in the Northern Yuma County Fair at Parker, Arizona, was awarded a Blue Ribbon for being the best exhibit. The exhibit was a relief map of the Colorado River Aqueduct system together with pictures of the expansion work now being carried forward. The exhibit material was supplied by the Los Angeles office and set up at the Fair by employees from Gene Village.

\* \* \*

Members of the MWD Federal Credit Union can now borrow up to \$10,000 on a secured loan with an interest rate of  $\frac{3}{4}$  of 1 per cent per month on the unpaid balance, according to Marvin Stephens, President of the Credit Union. This is a decrease in interest rates of 25 per cent on secured loans. The security must be considered adequate by the Credit Committee. This approximates  $4\frac{1}{2}$  per cent per year. Members still can borrow up to \$400, unsecured, at the old interest rate of 1 per cent on the unpaid balance which approximates 6 per cent per year.

Warren Wylie, Zeolite Operator at the Softening Plant, and his wife, Marilyn, are the proud parents of Susan Louise, who was born on March 20. The young lady weighed 7 pounds  $1\frac{1}{2}$  ounces upon arrival.

\* \* \*

District employees extend their sympathies to Emil Kamschulte, Engineer, on the recent death of his wife, Lorretta, who passed away on March 24 following a stroke suffered on February 18. Services were conducted by the Reverend Father C. J. McCoy in the Blessed Sacrament Church in Hollywood and interment was at Holy Cross Cemetery. Other survivors include two daughters, Josephine Musaraca and Mary Hertha Kamschulte, and three grandchildren.

\* \* \*

In a recent election held by Group I of the Employees Association, Marvin Stephens and Robert Moehle were elected to the Board of Control. They succeed Rudy Fernandez and M. G. Smedegaard. In a subsequent election held by the Board Members, Marvin Stephens was named President and Jack Dwyer was re-elected as Secretary-Treasurer. The other member of the Board of Control of Group I of the Association is William Bowlby.



Fireman Jack C. Williams, Jr.

Jack C. Williams, Jr., son of Jack Williams, Public Relations Representative, has just returned from a seven-month tour of the Far East with the Seventh Fleet aboard the aircraft carrier, USS Midway. The ports of call included Pearl Harbor, Midway, the Philippine Islands, Okinawa, Japan and Hongkong. The ship arrived at the Alameda Naval Air Station on March 12. Following a short leave, Jack returned to his ship which is now in dry dock. He expects to be discharged from the Navy in July.

\* \* \*

Beverly McCleary, daughter of W. F. (Mac) McCleary, Resident Engineer, suffered painful injuries in an automobile accident on March 14. She received a concussion and numerous bruises and lacerations and was hospitalized for several days. She has recovered nicely and is now back at work. Beverly is a Stewardess with Western Airlines.

\* \* \*

District employees at Gene Village celebrated St. Patrick's Day with an outdoor Mexican dinner. Everyone prepared some type of Mexican dish and the feast was held by the swimming pool. Following dinner and community singing, the group adjourned to the Recreation Hall for the movie. More than 100 persons attended the party which was acclaimed a huge success.



Shown above are the members of one of the District's survey parties working on surveys for the portion of the Second San Diego Aqueduct being constructed by the District. Left to right are Ray Collins, Utility Man, Ted Huff, Junior Engineering Aide, Tom Day, Chief of the Survey Party, and Dana Smith, Junior Engineering Aide.